

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number
47-50-M09041

4. Report Date (MM/DD/YYYY)
04-11-2011

1. Recipient Name
Connected Tennessee, LLC

6. Designated Entity On Behalf Of:
Tennessee

3. Street Address
618 Church Street, Suite 305,

8. Final Report? Yes No
9. Report Frequency
 Quarterly
 Semi Annual
 Annual
 Final

5. City, State, Zip Code
Nashville, TN 37219-2437

7. Project / Grant Period
Start Date: (MM/DD/YYYY)
12-20-2009

7a. End Date: (MM/DD/YYYY)
12-19-2014

7b. Reporting Period End Date:
03-31-2011

9a. If Other, please describe:
N/A

10. Broadband Mapping 10a. Provider Table

Number of Providers Identified	Number of Providers Contacted	Number of Agreements Reached for Data Sharing	Number of Partial Data Sets Received	Number of Complete Data Sets	Number of Data Sets Verified
0	0	0	0	0	0

10b. Are you submitting the required PROVIDER DATA by using the Excel spreadsheet provided by the SBDD grants office? Yes No

10c. Have you encountered challenges with any providers that indicate they may refuse to participate in this project? Yes No

10d. If so, describe the discussions to date with each of these providers and the current status

*ABG Wireless, LLC: Provider representative indicated that they did not want to participate – Refused to Participate

*Birch Communications: Provider has chosen not to participate. Their main concern was not wanting to divulge the information publicly on speeds or coverage area - Refused to Participate

*Endless Sphere Technology: In addition to multiple contact attempts made between January 21, 2010 and September 1, 2010, 6 attempts were made during this submission period – Non-Responsive to Multiple Attempts

*Knology of Tennessee, Inc.: Continue to be non-responsive to outreach, 5 individual outreach attempts were made during Q1 – Non-Responsive to Multiple Attempts

*TNWEB, LLC: After multiple contact attempts, provider e-mailed Connected Tennessee asking not to be contacted again – Refused to Participate

*Trinity Communications LLC: After multiple attempts, provider indicated that they didn't have time to participate – Refused to Participate

*US LEC of Tennessee: Continue to be non-responsive to outreach, 4 individual outreach attempts were made during Q1 – Non-Responsive to Multiple Attempts

10e. If you are collecting data through other means (e.g. data extraction, extrapolation, etc), please describe your progress to date and the relevant activities to be undertaken in the future

N/A

10f. Please describe the verification activities you plan to implement

ESRI is deploying and hosting Connected Nation's BroadbandStat (BBStat) web application. ESRI will house the customized BBStat application in their highly available, monitored, and managed environment. The scope of services includes setting up a staging environment for data verification and compatibility as well as a production environment for client access.

Connected Tennessee also collects consumer feedback in the form of broadband inquiries. These inquiries represent any type of communications received from the public regarding broadband service. Once broadband inquiries are received across the state, this

information is overlaid with the broadband availability information collected through the SBDD program. This allows for a real-world comparison of the broadband landscape to the information received from broadband inquiries. Broadband inquiries are able to provide three types of information: 1) residents who do not have broadband but want it; 2) residents who have broadband but want a different provider; and 3) residents who do not have broadband, but the broadband inventory maps indicate that they do. If residents within a region state that they are without broadband, but the broadband inventory maps show otherwise, this allows Connected Tennessee to approach the providers within that area in an effort to trim down their coverage to more accurately represent real-world availability on the ground.

Before June 30, 2011 Connected Tennessee will target 4 additional companies in order to achieve a total field validation rate equal to or exceeding 37.50% (currently at 33.33%).

10g. Have you initiated verification activities? Yes No

10h. If yes, please describe the status of your activities

BroadbandStat is publicly available on the Connected Tennessee website and received a total of 646 visits between January 1, 2011 and March 31, 2011.

During this quarter, the Connected Tennessee project received a total of 65 broadband inquiries. Additional information received through e-mail from consumers that can also be used for verification purposes totaled 7 for this quarter.

Connected Tennessee's staff conducted extensive field validation tests in Tennessee on the following providers: Ardmore Telephone Company Inc., AT&T, Beasley Wireless, Ben Lomand Rural Telephone Cooperative Inc., Big River, Cellular South Inc., Clearwire Corporation, Columbia Power & Water Systems, CRU Enterprises, DotSpot Wireless, ECSIS.Net, Frontier Communications Corporation, High Country Online, Jackson Energy Authority, Ken-Tenn Wireless LLC, Leap Wireless International Inc., Millington Telephone Company, NetEase, NewWave Communications, Planet Connect Internet, QuickRelay Wireless Communications, Sprint. TEC of Jackson Inc., T-Mobile USA Inc., Trenton Cable TV Company, U.S. Cellular, UltraNet, Verizon Communications Inc., and Xpansion Networks.

To date, Connected Tennessee has completed field validation testing against 30 companies (out of a universe of 90 viable providers) totaling 33.33% within the state.

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

N/A

Staffing

10j. How many jobs have been created or retained as a result of this project?

4.59

Connected Tennessee has numerous staff working on this project, some at only a small percentage of their time. This approach is beneficial to the project in various ways: some staff provide necessary project support, many staff work together utilizing a team approach, and others are subject matter experts in their respective areas and by leveraging their expertise the project benefits by their knowledge and skills without the necessity of supporting a more expensive full-time resource.

10k. Is the project currently fully staffed? Yes No

10l. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed

N/A

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

4.59

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Counsel	2	09/14/2009
Business Programmer Analyst	2	04/02/2007
CAI Coordinator	2	12/13/2004
CAI Data Analyst	5	03/24/2009

CAI Data Manager	1	08/09/2010
Community Technology Specialist	92	01/18/2010
Community Technology Specialist	59	09/17/2007
Community Technology Specialist	59	10/10/2007
ETS Analyst	12	08/03/2009
ETS Analyst	3	11/01/2007
ETS Manager	5	07/01/2007
Executive Director, TN	52	12/01/2004
General Counsel	5	01/01/2007
GIS Analyst	23	01/12/2010
GIS Intern	7	04/01/2010
GIS Services Manager	25	05/15/2007
Outreach & Awareness Manager	4	03/24/2009
Outreach & Awareness Specialist	10	09/04/2007
Outreach & Awareness Specialist	6	01/04/2010
Outreach & Awareness Specialist	4	10/01/2007
Outreach & Awareness Specialist	3	02/02/2009
Outreach & Awareness Specialist	3	01/04/2010
Outreach & Awareness Specialist	1	01/03/2010
Project Coordinator	21	01/17/2011
Project Coordinator	7	04/01/2005
Project Coordinator	3	08/01/2008
Project Management Director	2	12/20/2004
Project Manager	6	01/14/2008
Project Manager	3	08/20/2007
Project Manager	3	12/16/2009
Project Manager	2	03/16/2010
Project Manager	1	01/14/2008
Provider Relations Manager	8	02/17/2005
Research & GIS Analyst	2	05/14/2007
Research Analyst	6	02/01/2010
Research Analyst	5	06/01/2009
Research Manager	3	05/14/2007

Add Row
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Sub Contracts

10o. Subcontracts Table

Name of Subcontractor	Purpose of Subcontract	RFP Issued (Y/N)	Contract Executed (Y/N)	Start Date	End Date	Federal Funds	In-Kind Funds
Throughbred Research Group	Research Surveys	Y	Y	02/09/2010	02/08/2012	87,350	0
Contract Labor	Contract Labor	N	Y	12/20/2009	12/19/2014	157,177	114,399

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,131,987 10q. How much Remains? \$3,347,633
 10r. How much matching funds have been expended as of the end of last quarter? \$955,566 10s. How much Remains? \$175,616

10t. Budget Worksheet

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	\$1,509,268	\$522,401	\$2,031,669	\$372,541	\$317,068	\$689,609
Personnel Fringe Benefits	\$323,735	\$112,054	\$435,789	\$79,813	\$68,012	\$147,825
Travel	\$128,223	\$5,198	\$133,421	\$27,128	\$22,874	\$50,002
Equipment	\$136,141	\$0	\$136,141	\$66,635	\$0	\$66,635
Materials / Supplies	\$18,612	\$500	\$19,112	\$11,664	\$5,274	\$16,938
Subcontracts Total	\$603,918	\$114,399	\$718,317	\$110,471	\$72,906	\$183,377
Subcontract #1	\$382,730	\$0	\$382,730	\$26,006	\$38,950	\$64,956
Subcontract #2	\$157,177	\$114,399	\$271,576	\$79,926	\$33,956	\$113,882
Subcontract #3	\$25,328	\$0	\$25,328	\$500	\$0	\$500
Subcontract #4	\$38,683	\$0	\$38,683	\$4,039	\$0	\$4,039
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$434,921	\$290,961	\$725,882	\$3,064	\$33,638	\$36,702
Total Direct Costs	\$3,154,818	\$1,045,513	\$4,200,331	\$671,316	\$519,772	\$1,191,088
Total Indirect Costs	\$1,324,802	\$85,669	\$1,410,471	\$460,671	\$435,794	\$896,465
Total Costs	\$4,479,620	\$1,131,182	\$5,610,802	\$1,131,987	\$955,566	\$2,087,553
% Of Total	80	20	100	54	46	100

Hardware / Software

10u. Has the project team purchased the software / hardware described in the application? Yes No

10v. If yes, please list

Hardware/software purchases for the project to date include the following:

- BroadbandStat-\$60,000
- ArcInfo/ArcGIS Software-\$3,242

- Computers & Software-\$1,778
- Speed Test Software-\$495
- Google Earth Pro-\$974

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

Remaining purchases may include SQL server for mapping geodatabase, SQL server software, multiple dedicated storage servers, security application, additional backup replication solution, computers, GPS units BroadbandStat maintenance, ArcInfo/ArcGIS maintenance, and speed test updates as well as computers and software maintenance.

10x. Has the project team purchased or used any data sets? Yes No

10y. If yes, please list

Connected Tennessee has not purchased or used any data sets.

10z. Are there any additional project milestones or information that has not been included? Yes No

10aa. If yes, please list

- * Continued tracking financial and accounting budgets for Connected Tennessee
- * Continued execution of project work plan and Work Breakdown Structure (WBS)
- * Continued to update broadband provider list with new providers
- * Continued outreach to non-responsive and refusing providers
- * Updated broadband data collection activity log
- * Continued outreach to general resellers and satellite providers, to further engage them in the program. This information will be analyzed and deployed for the October 2011 data submission
- * Executed and securely stored Non-Disclosure Agreements (NDA) with new providers
- * Continued in-the-field validation processes. To-date, 30 providers have been validated in Tennessee, representing 33.33 percent of the viable state providers
- * During validation visits, Connected Tennessee representatives conducted demonstrations of BroadbandStat and the Connected Tennessee website with the provider community
- * Requested updated broadband coverage coordinate data sets from provider community
- * Received 75 new data to update our Community Anchor Institution (CAI) information
- * Distributed CAI data sets to GIS mapping team for processing
- * Produced status reports, data collection activity log, and website statics as requested
- * Delivered draft Tennessee broadband maps to state stakeholders
- * Presented program progress and future plans to Steering Committee at a quarterly meeting
- * Compiled and submitted initial State Broadband Data and Development (SBDD) Project Plan to National Telecommunications and Information Administration (NTIA)
- * Received feedback on initial SBDD Project Plan submission and have started revision for resubmission to NTIA
- * Submitted data for April 1 submission deadline
- * Received and responded to broadband inquiries. This quarter to date we have processed 65 inquiries

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

Connected Tennessee has been relying heavily on Tennessee's recommendations to ensure that our work exceeds expectations. During Q4 2010, there were no significant obstacles during the planning process.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

Connected Tennessee was able to utilize significant pre-award cost as a match, recognized for reporting purposes in this quarter. The pre-award cost related to SBDD project activities funded by the State of Tennessee.

11. Broadband Planning

11a. Please describe progress made against all goals, objectives, and milestones detailed in the approved Project Plan. Be sure to include a description of each major activity / milestone that you plan to complete and your current status

On behalf of the State of Tennessee, Connected Nation (CN) wrote the survey instrument for the 2011 Residential Technology Assessment telephone survey, incorporating recommendations received from state stakeholders where appropriate. These surveys are designed to measure trends in technology adoption, barriers to adoption, and awareness of available broadband service among Texas residents.

Connected Tennessee also released a detailed analysis of broadband availability and adoption of each county across Tennessee to better inform decision makers and providers on the needs at a community level.

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

Connected Tennessee has been relying heavily on Tennessee's recommendations to ensure that our work, as well as the work of our subcontractors, exceeds expectations. During Q1 2011, there were no challenges or obstacles during the planning process.

11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning? Yes No

11d. If yes, please describe these anticipated changes. Please note that NTIA will need to approve changes to the Project Plan before they can be implemented

The 2011 Residential Technology Assessment telephone survey, originally scheduled for Q1 2011, has been moved to Q2 2011 to provide for better comparability in survey results between Tennessee and other state surveys.

At this time we are in the transition from the current Connected Tennessee mapping and planning projects to the amended SBDD 2.0 projects that were awarded to Connected Tennessee. Based upon the new SBDD Detailed Project Plan, Time line, and Budget filed with NTIA, the planning activities will be incorporated into the Technical Assistance project. Please see 11j for details.

Funding

11e. How much Federal funding has been expended as of the end of the last quarter? \$0

11f. How much Remains? \$0

11g. How much matching funds have been expended as of the end of last quarter? \$0

11h. How much Remains? \$0

11i. Planning Worksheet

Personal Salaries	\$0	\$0	\$0	\$0	\$0	\$0
Personnel Fringe Benefits	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Subcontracts Total	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #1	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #2	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #3	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0
Total Direct Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$0	\$0	\$0	\$0	\$0	\$0
% Of Total	0	0	0	0	0	0

Additional Planning Information

11j. Are there any additional project milestones or information that has not been included?

Upon approval of the project plan and budget, Connected Nation will conduct a survey in 2013 that oversamples households that do not subscribe to broadband. This survey will be in addition to the previously scheduled residential surveys. This updated and improved methodology will provide a greater level of analysis regarding barriers to technology adoption among different socio-economic and demographic groups by surveying non-adopters in Tennessee in a way similar to that conducted by the FCC as part of the National Broadband Planning effort. This approach will help create a demographic and socio-economic profile of the population of non-adopters in Tennessee, which can then be applied at the local level of detail by area planning teams, to assist in developing local

adoption initiatives that will target the barriers that are unique to that area. In Q1 2011, CN developed the analysis methodology for this survey.

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

Connected Tennessee has been relying heavily on Tennessee's recommendations to ensure that our work, as well as the work of our subcontractors, exceeds expectations. During Q1 2011, there were no significant obstacles during the planning process.

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

N/A

12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose set forth in the award documents.

12a. Typed or Printed Name and Title of Authorized Certifying Official

Bernie Bogle

12c. Telephone
(area code, number, and extension)

12d. Email Address

bbogle@connectednation.org

12b. Signature of Authorized Certifying Official

Submitted Electronically

12e. Date Report Submitted
(Month, Day, Year)

06-16-2011